

## COURSE OUTLINE

Revision: Carey Schroyer, October 2009

DEPARTMENT: Academic Programs

CURRICULUM: The Natural World

COURSE TITLE: Plants and People

COURSE NUMBER: BOT 110

TYPE OF COURSE: Academic Transfer  
Special Requirement Met: None

AREA(S) OF KNOWLEDGE: How humans use plants

COURSE LENGTH: 1 quarter

CREDIT HOURS: 5

LECTURE HOURS: 33

LAB HOURS: 33

CLASS SIZE: 27

PREREQUISITES: None

## COURSE DESCRIPTION:

Practical application relevant to students' everyday lives. Covers economic plants (grains, legumes, fruits), food values, plant parts, poisonous plants of urban areas, textiles, and woods. Lab included.

BOT 110 Plants and People  
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#### STUDENT LEARNING OUTCOMES ADDRESSED:

1. Communication - Read and listen actively to learn and communicate.
2. Computation - Apply quantitative skills for personal, academic and career purposes.
3. Human Relations - Use social interactive skills to work in groups effectively. Learn to work in teams with others to achieve goals in the laboratory.
4. Critical Thinking and Problem Solving - Think critically in evaluating information, solving problems and making decisions.
5. Technology - Select and use appropriate technological tools for academic and career tasks.
6. Personal Responsibility - Be motivated and able to continue learning and adapt to change. Be aware of environmental issues.
7. Information Literacy - Access and evaluate information from a variety of sources and contexts, including technology.

#### GENERAL COURSE OBJECTIVES:

Students will be introduced to some basic plant biology followed by the importance of plants in human lives; agriculturally, commercially, and personally.

#### TOPICAL OUTLINE:

- I. Introduction
- II. Plant anatomy and physiology
- III. Plant diversity
- IV. Economically important plants
- V. Nutritional importance of plants
- VI. Commercially important plants
- VII. Poisonous and noxious plants

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| SLO #   | Included in Course Objective Number | SSCC Student Learning Outcomes  |
|---------|-------------------------------------|---|
| SLO 1.1 | 1                                   | Communication - Read and listen actively  |
| SLO 1.2 | 1                                   | Communication - Speak and write effectively   |
| SLO 2.1 | 2                                   | Computation - Use mathematical operations   |
| SLO 2.2 | 2                                   | Computation - Apply quantitative skills   |
| SLO 2.3 |                                     | Computation - Identify, interpret, and utilize higher level mathematical and cognitive skills   |
| SLO 3.1 | 3                                   | Human Relations - Use social interactive skills to work in groups effectively   |
| SLO 3.2 | 3                                   | Human Relations - Recognize the diversity of cultural influences and values   |
| SLO 4.1 | 4                                   | Critical Thinking and Problem Solving -   |
| SLO 5.1 | 7                                   | Technology - Select and use appropriate technological tools   |
| SLO 6.1 | 6                                   | Personal Responsibility - Be motivated and able to continue learning and adapt to change  |
| SLO 6.2 |                                     | Personal Responsibility - Value one's own skills, abilities, ideas and art  |
| SLO 6.3 |                                     | Personal Responsibility - Take pride in one's work  |
| SLO 6.4 |                                     | Personal Responsibility - Manage personal health and safety   |
| SLO 6.5 | 6                                   | Personal Responsibility - Be aware of civic and environmental issues  |
| SLO 7.1 | 7                                   | Information Literacy - Access and evaluate information  |
| SLO 7.2 |                                     | Information Literacy - Use information to achieve personal, academic, and career goals, as well as to participate in a democratic society |

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